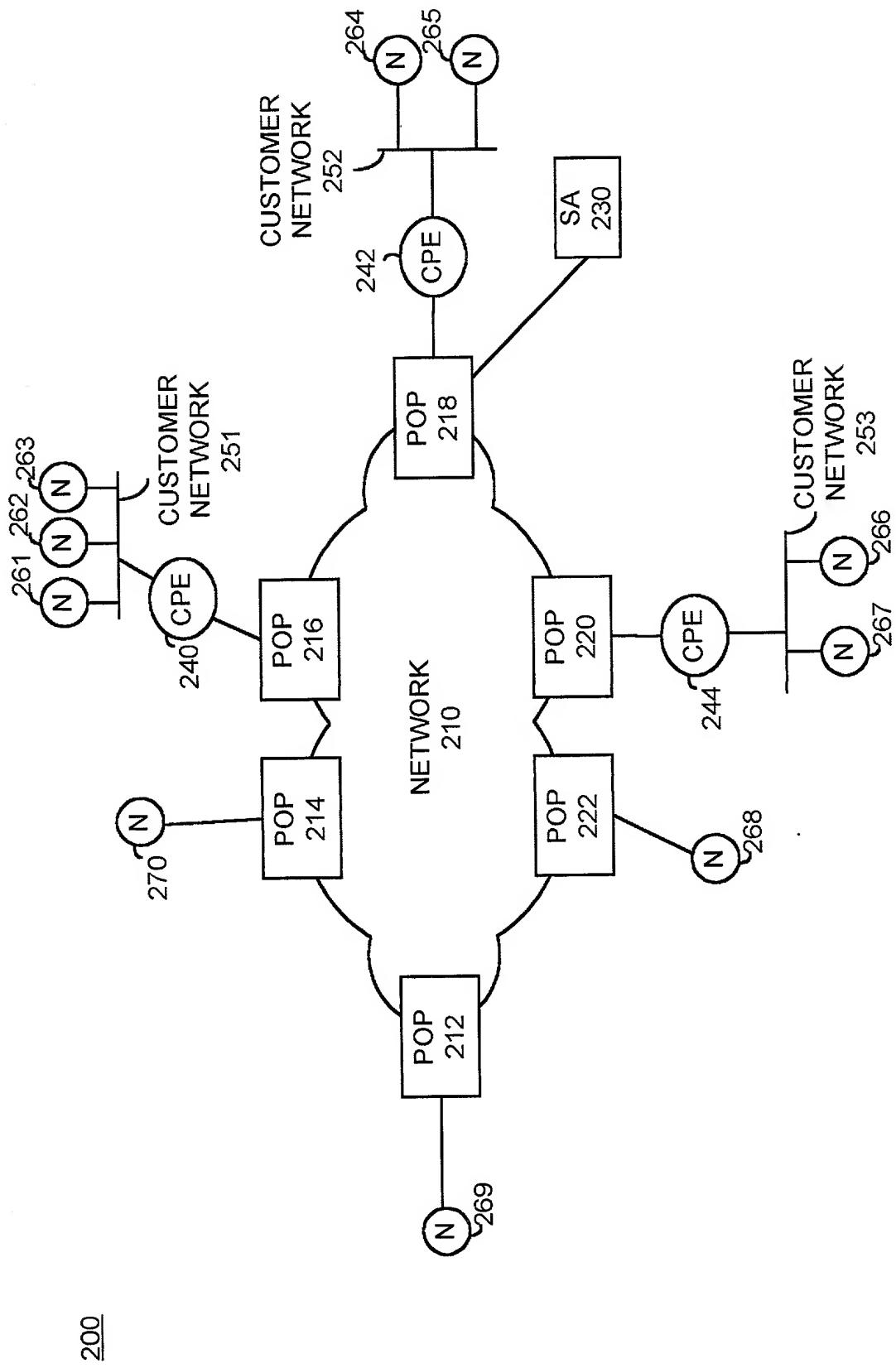
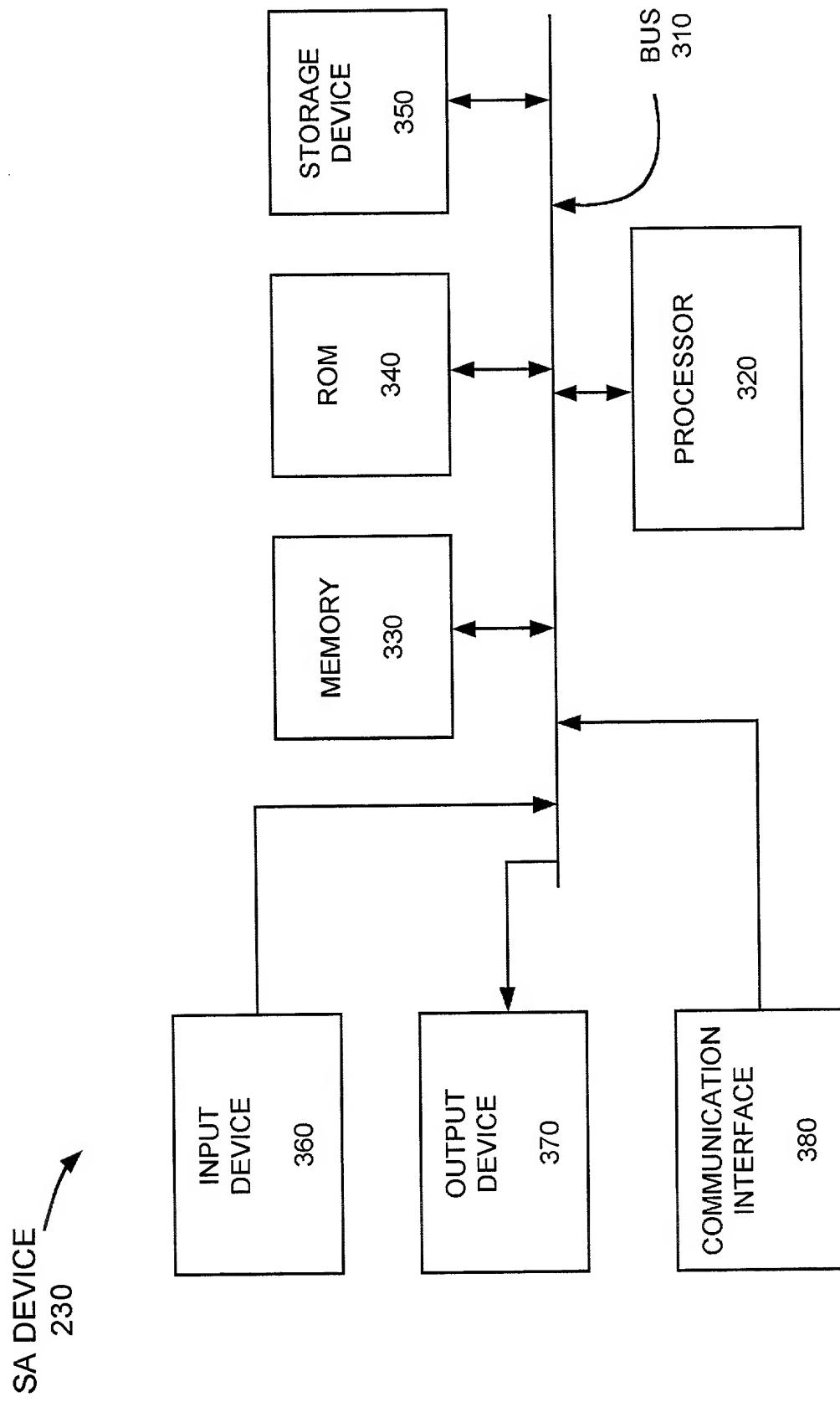


**FIG. 1 (PRIOR ART)**

**FIG. 2**





**FIG. 3**

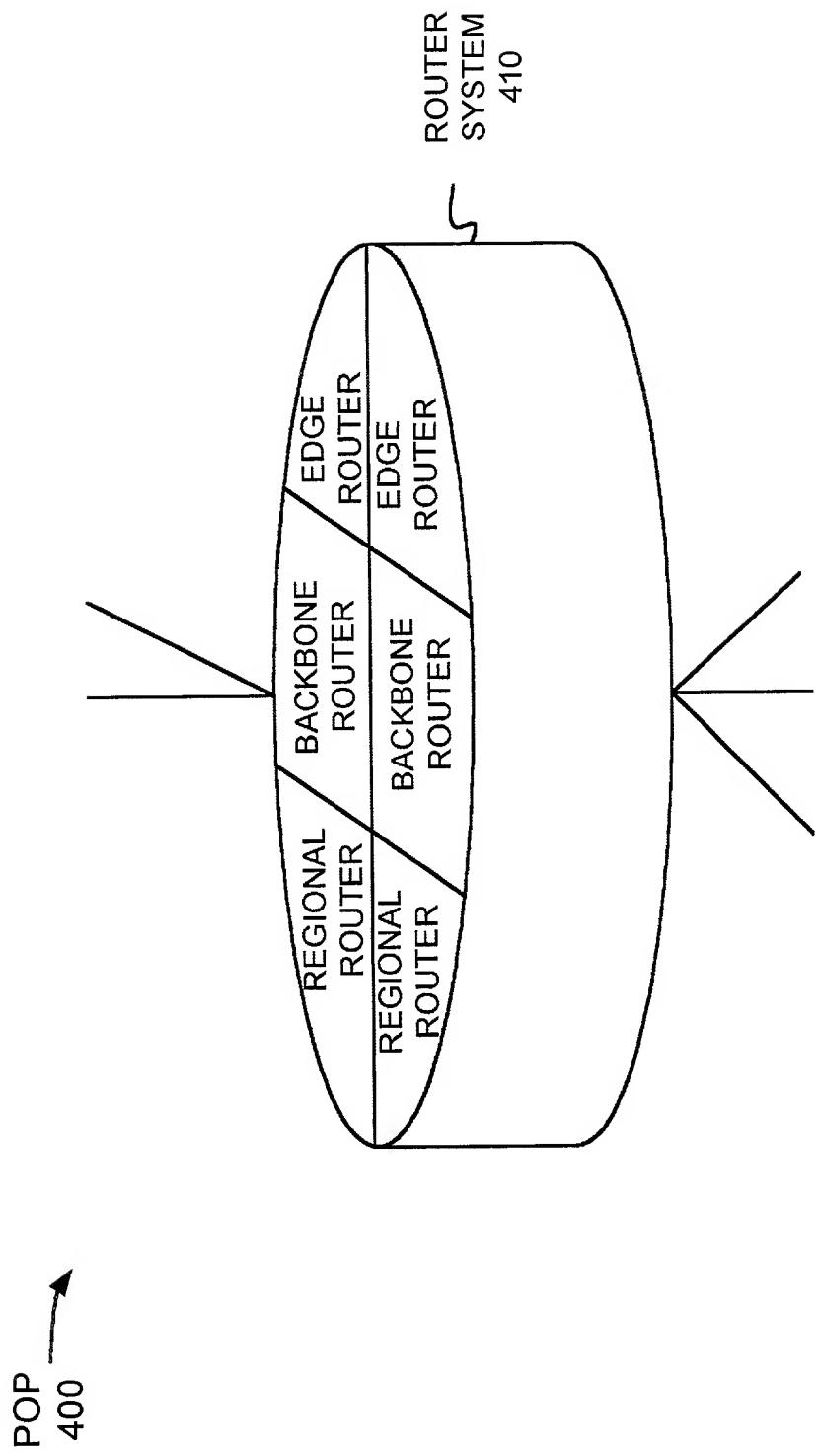
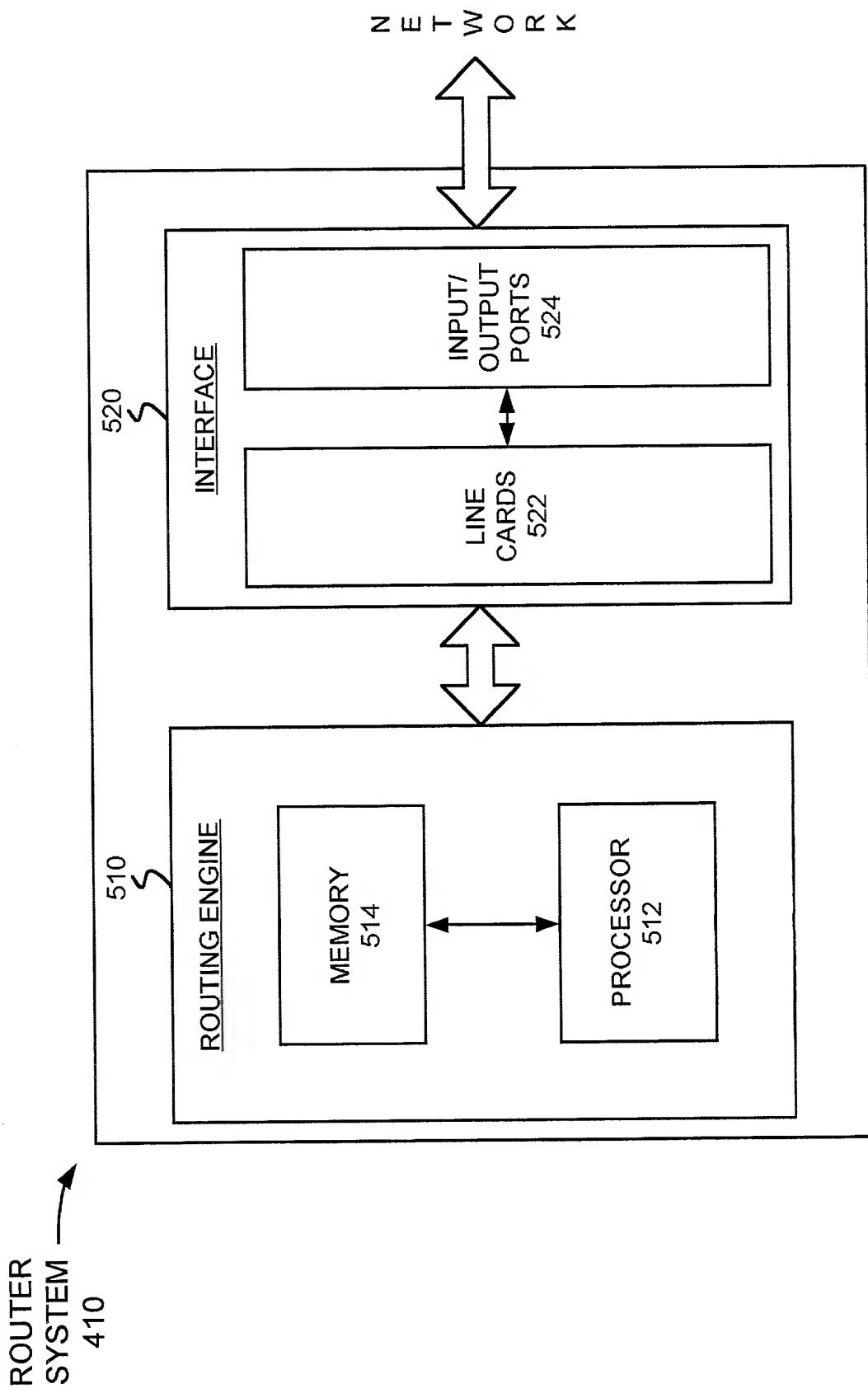
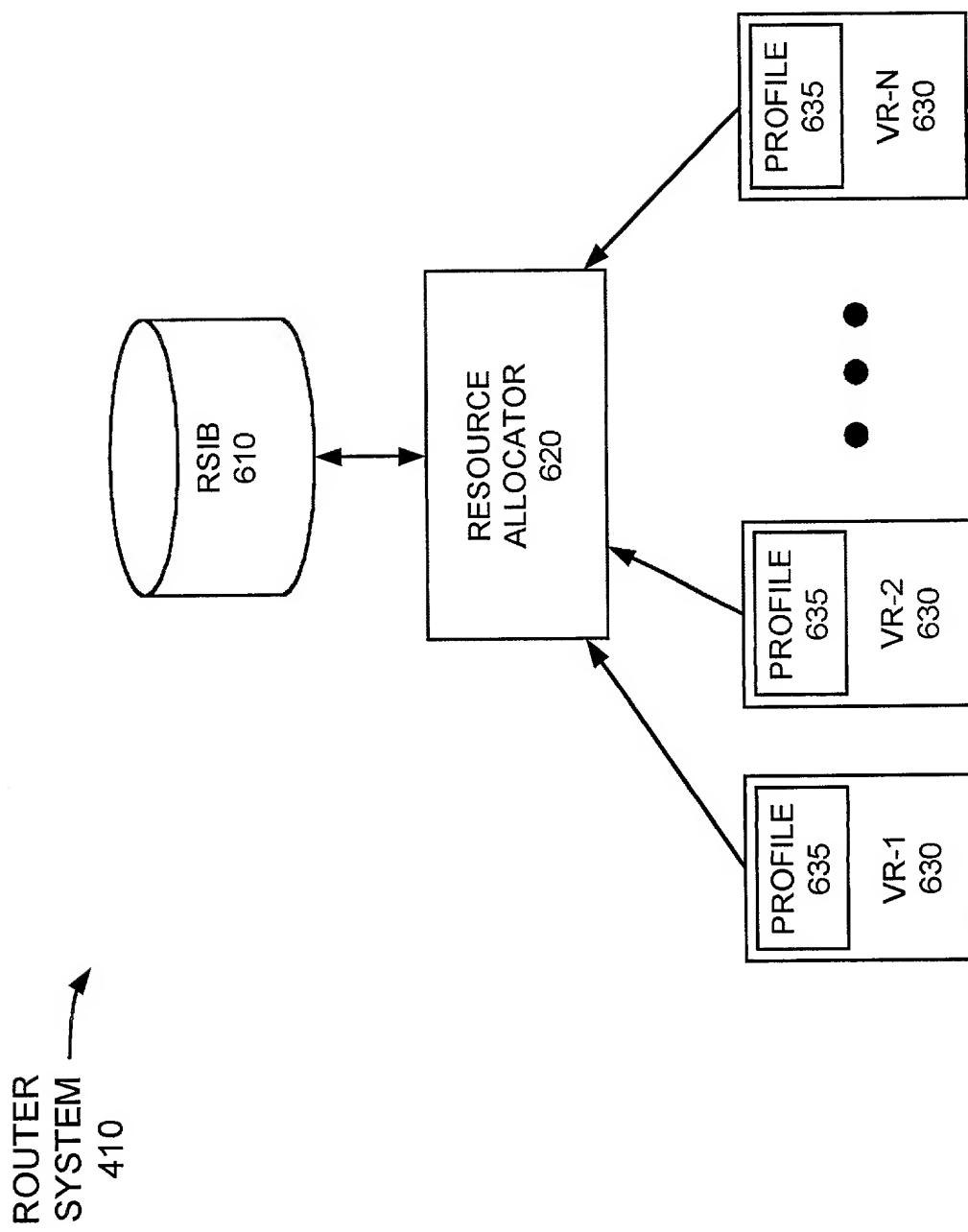


FIG. 4

**FIG. 5**



**FIG. 6**



RSIB  
610

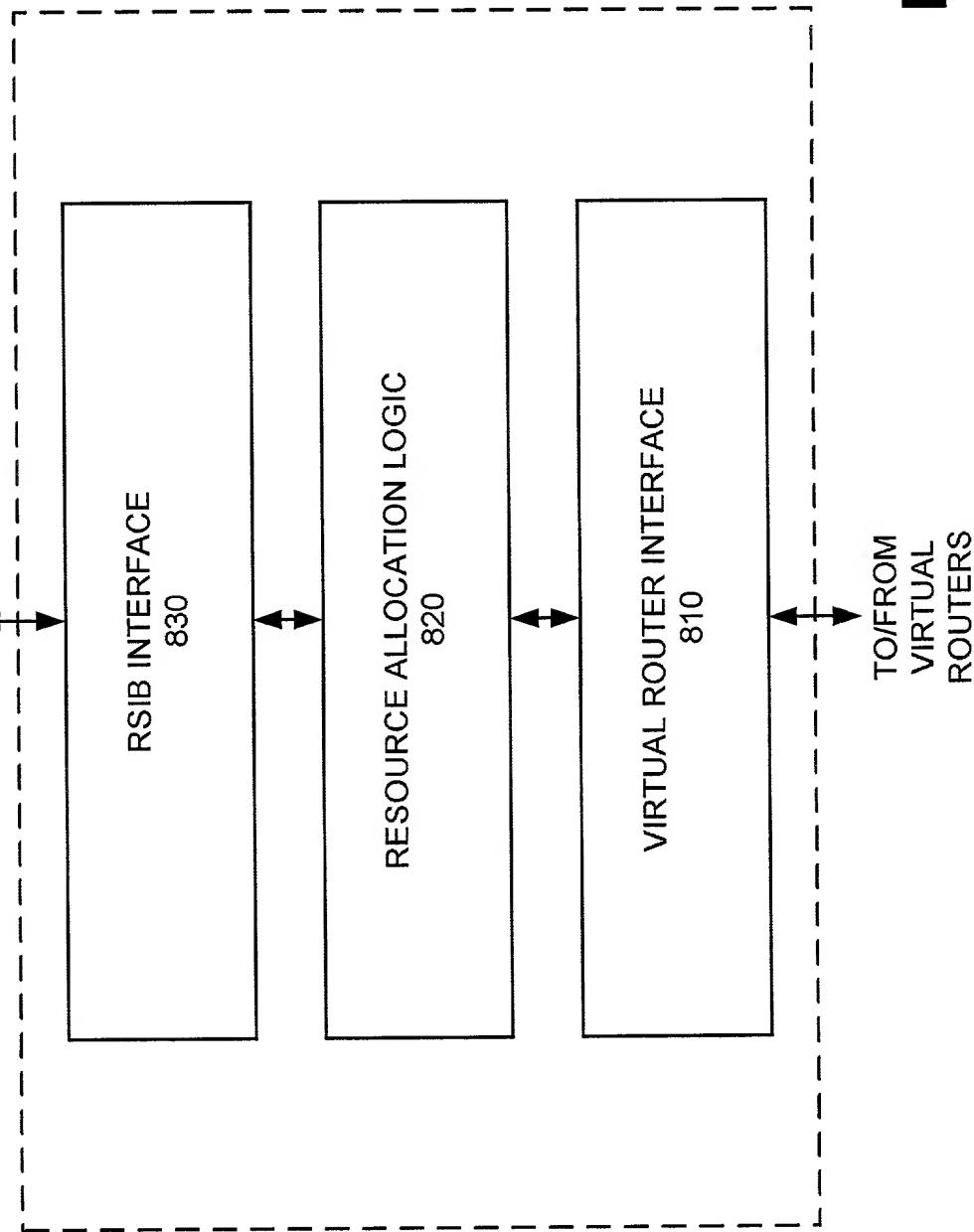


	ID	INTERFACE BANDWIDTH	ROUTING TABLE SIZE	ROUTING TABLE POINTER	FORWARDING TABLE SIZE	FORWARDING TABLE POINTER	INTERNAL INTERFACE	INTERNAL INTERFACE ADDRESS
VIRTUAL ROUTER 1	VR-CORE-1	PORT 1: 2.5Gbps, PORT 2: 10Gbps,... PORT M: 2.5Gbps	4 MB	ROUTING TABLE MEMORY ENTRY ADDRESS	2 MB	FORWARDING TABLE MEMORY ENTRY ADDRESS	VR-CORE-VI-1	10.1.1.1
VIRTUAL ROUTER 2	VR-CORE-2	PORT 1: 1.5Gbps, PORT 2: 2Gbps,... PORT M: 1.5Gbps	4 MB	ROUTING TABLE MEMORY ENTRY ADDRESS	2 MB	FORWARDING TABLE MEMORY ENTRY ADDRESS	VR-CORE-VI-2	10.1.1.2
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
VIRTUAL ROUTER N	VR-CORE-N	PORT 1: 2.5Gbps, PORT 2: 5Gbps,... PORT M: 2.5Gbps	4 MB	ROUTING TABLE MEMORY ENTRY ADDRESS	2 MB	FORWARDING TABLE MEMORY ENTRY ADDRESS	VR-CORE-VI-N	10.1.1.9

FIG. 7

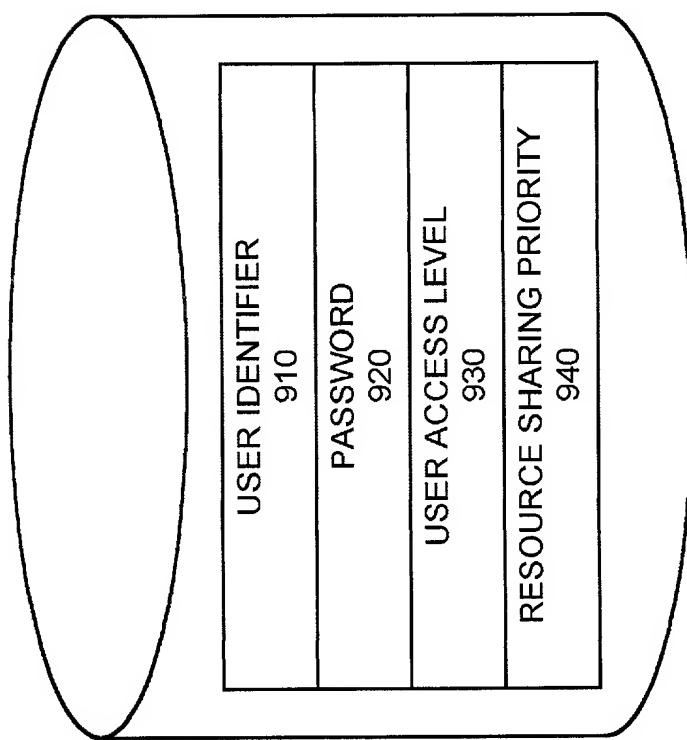
RESOURCE  
ALLOCATOR  
620

TO/FROM  
RSIB

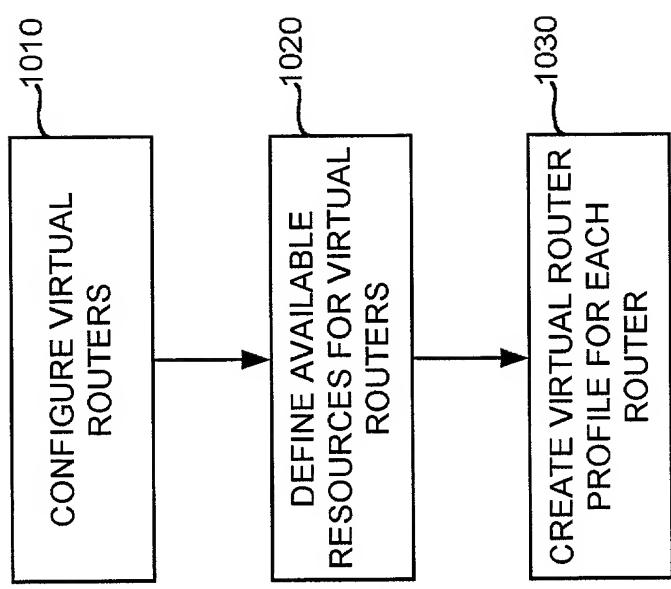


**FIG. 8**

**FIG. 9**

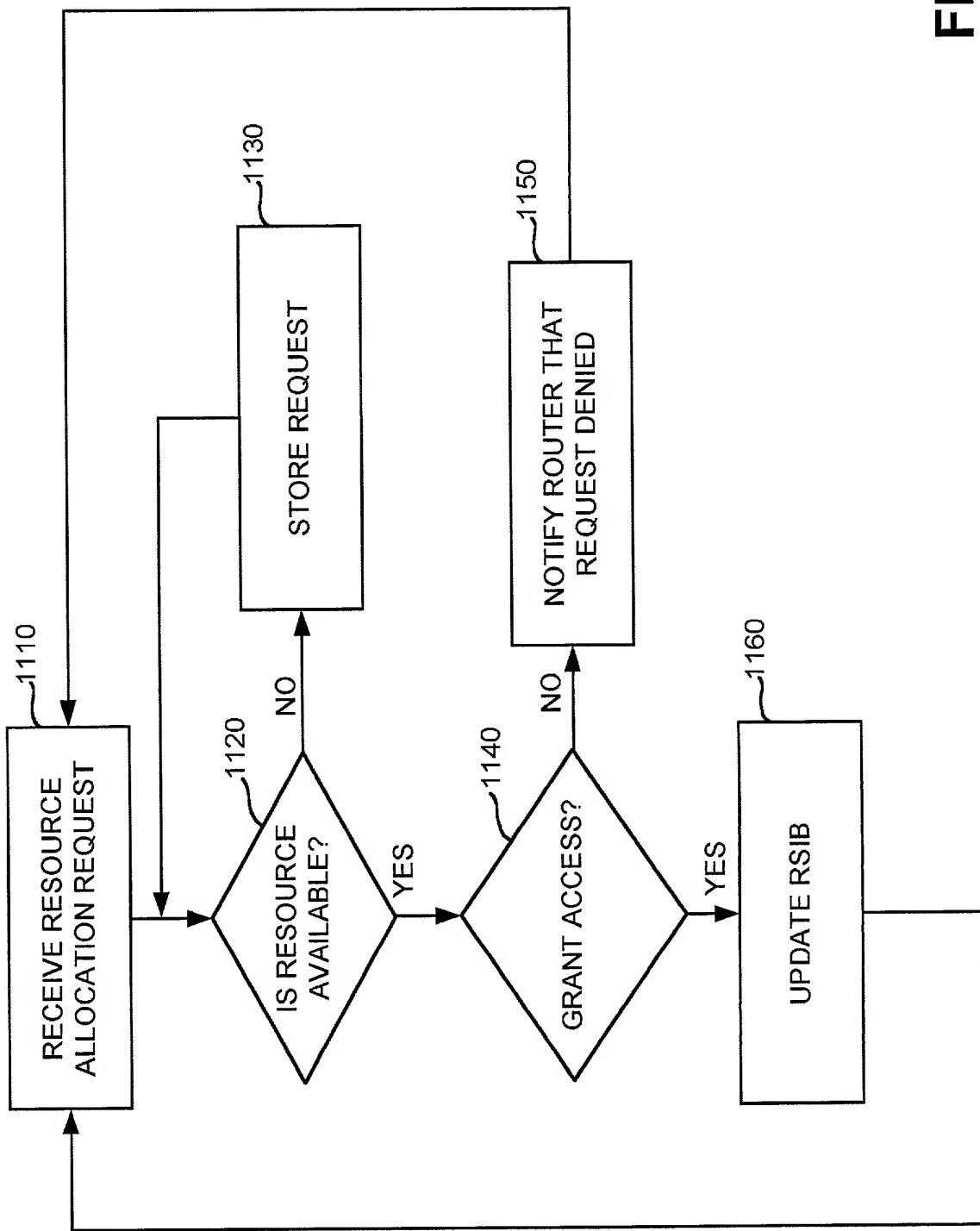


VIRTUAL  
ROUTER →  
PROFILE  
635



**FIG. 10**

**FIG. 11**



ROUTER  
SYSTEM →  
1200

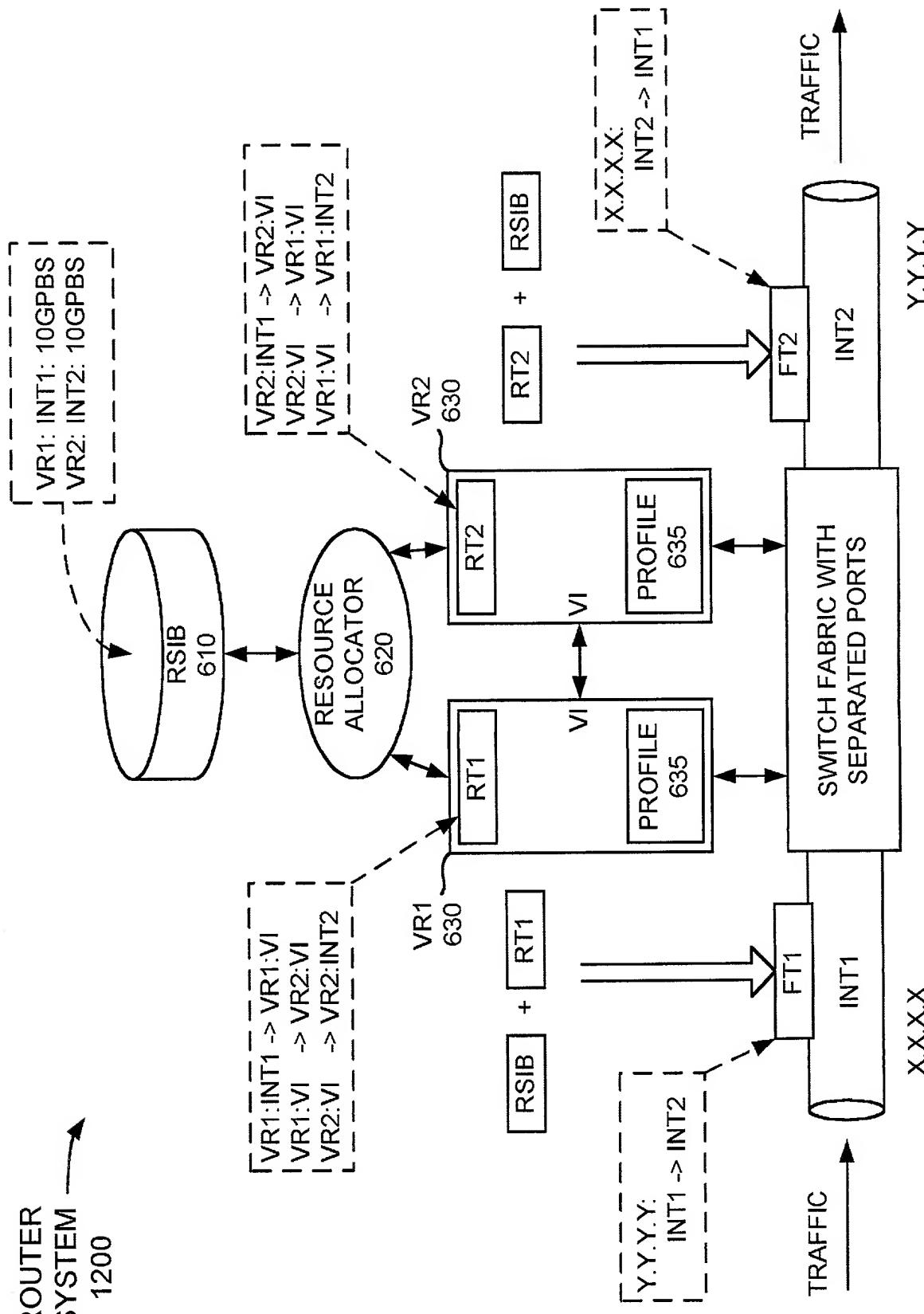
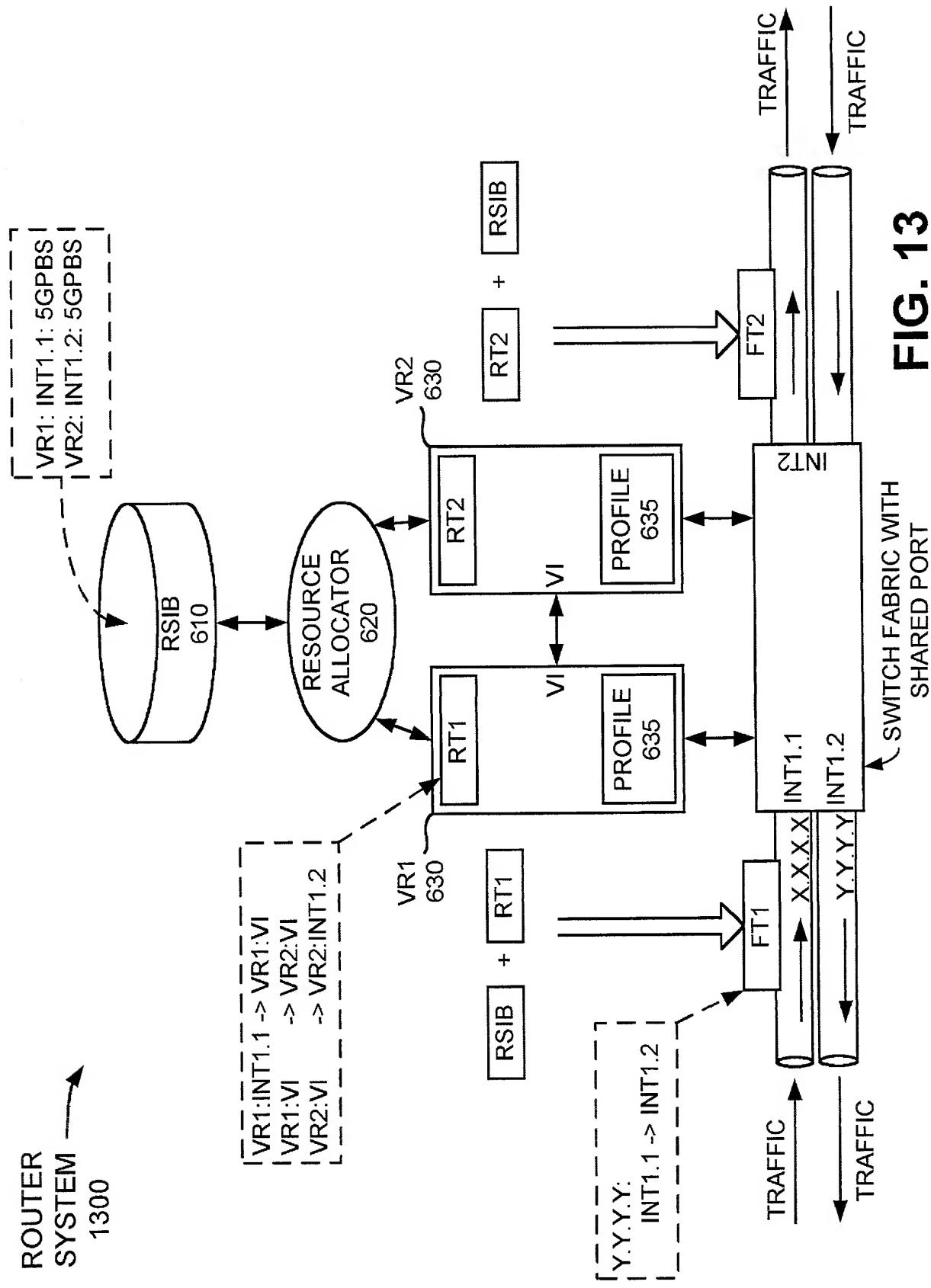


FIG. 12

**ROUTER  
SYSTEM** →  
1300



**FIG. 13**